National Institute of Environmental Health Sciences

Algal toxins in shellfish from Scottish, Northern Irish and Isle of Man waters

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Abstract:

Algal toxins can accumulate in bivalve molluscan shellfish when they ingest toxic phytoplankton via filter-feeding. These toxins can accumulate in the body of the shellfish without causing serious adverse affect to the shellfish, but they can cause serious health problems if eaten by humans. Four main types of marine algal toxins occur in waters associated with the UK: (1) Paralytic shellfish poisoning (PSP) toxins; (2) Amnesic shellfish poisoning (ASP) toxins; (3) Diarrhetic shellfish poisoning (DSP) toxins; (4) Lipophilic shellfish toxins (LSTs).

Source:
http://www.sams.ac.uk/keith-davidson/relating-habs-to-human-health-workshop-2007/at_download/file

Resource Description

Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience:

audience to whom the resource is directed

Health Professional

Other Communication Audience: Seafood industry

Exposure :

weather or climate related pathway by which climate change affects health

Food/Water Quality, Food/Water Quality

Food/Water Quality: Biotoxin/Algal Bloom, Biotoxin/Algal Bloom

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal

Geographic Location: ☑

resource focuses on specific location

Non-United States

Non-United States: Europe

European Region/Country: European Country

Other European Country : Scotland;Ireland;United Kingdom

Health Impact: ☑

specification of health effect or disease related to climate change exposure

Other Health Impact

Other Health Impact: Shellfish poisoning

Resource Type: ☑

format or standard characteristic of resource

Review

Timescale: ☑

time period studied

Time Scale Unspecified